

ABSTRACT OF THE DISCLOSURE

5 The solution I is spouted from a first nozzle into a mixing chamber as a high-pressure jet stream of not less than 1 MPa and as a turbulent flow having a Reynolds number of not less than 10000 during the flow into the mixing chamber, and the solution II having a lower pressure than the solution I is spouted from a second nozzle into the mixing chamber as an orthogonal flow which intersects the solution I almost at right angles. The two solutions are mixed together and caused to react with each other, with the result that a mixed reaction solution Z containing alloy particles Z is formed.